

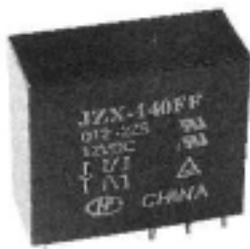
# HONGFA RELAY



## MINIATURE POWER RELAY

# JZX-140FF

Double-Pole, 10A, PC Board



- 10A switching capabilities
- DPST-NO and DPDT configurations
- 5KV dielectric between coil to contacts
- Sealed & Unsealed types available
- UL&CUR file NO: E133481
- TÜV file No. R9659298

### CONTACT DATA

Arrangement	DPST-NO, DPDT	
Initial Contact Resistance	50mΩ	
Max. (at 1A 24VDC)		
<b>Contact Material</b>	Silver alloy	
Contact Rating	5A 220VAC/30VDC	
Max. switching voltage	250VAC/30VDC	
Max. switching current	10A	
Max. switching power	2200VA/300W	
UL/CUR rating	10A 250VAC 8A 30VDC 10A 30VDC (5x10 <sup>4</sup> ) TV3 - 125VAc	
TÜV rating	5A 250VAC/30VDC	
Expected operations	Mechanical	1X10 <sup>7</sup>
Life min.	Electrical	1X10 <sup>5</sup>

### SPECIFICATION

Initial Insulation Resistance	1000MΩ, 500VDC	
Dielectric Strength		
Between coil and Contacts	5000VAC, 1minute	
Between contacts sets	3000VAC, 1minute	
Between open contacts	1000VAC, 1minute	
Surge Voltage between		
Contacts and coil	10000V	
Operate time (at nomi. Vot.)	15ms	
Release time (at nomi. Vot.)	5ms	
Humidity	98%, +40°C	
Ambient temperature	-40 to +70°C	
Shock	Functional	100m/s <sup>2</sup>
Resistance	Destructive	1000m/s <sup>2</sup>
Vibration Resistance	1.5mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 18g	
Dimensions (mm)	29x13x25.5	
Construction	Sealed and Unsealed	

### COIL

Nominal coil power	0.55W
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### TABLE

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 20 °C)	Coil Resistance Tolerance: ±10% Ω
3	2.25	0.3	3.9	17
5	3.75	0.5	6.5	47
6	4.5	0.6	7.8	68
9	6.75	0.9	11.7	160
12	9.0	1.2	15.6	275
18	13.5	1.8	23.4	650
24	18.0	2.4	31.2	1100
48	36.0	4.8	62.4	4170
60	45.0	6.0	78	7000

\* When require pick-up voltage < 75% of nominal voltage, special order allowed.

■ ORDERING INFORMATION

JZX-140FF / 012 — 2H S W

Coil voltage	Contact arrangement	Classification of type	SPECIAL TYPE
3,5,6,9,12,18,24 48,60VDC	2H: SPST-NO 2Z: SPDT	S: Sealed Nil: Unsealed	W: 1.5mm GAP ONLY N/O CONTACTS Nil: STANDARD

■ OUTLINE DIMENSIONS , WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimension

2H      2H(S)      2Z(S)

2Z

2H(S) Wiring Diagram      2Z(S)

PCB Layout

**NOTE: SOCKETS AVAILABLES**

■ USEFUL CURVES

